

Zion Road is considered to run
in a East/West direction.

EXISTING SIGN TO BE REMOVED

13
STOP

PROPOSED SIGNS

8a Kelly RD →
8b ← Kelly RD
D-3(2)
(VAR. x16")
(Dual Faced)

TEMPORARY SIGN

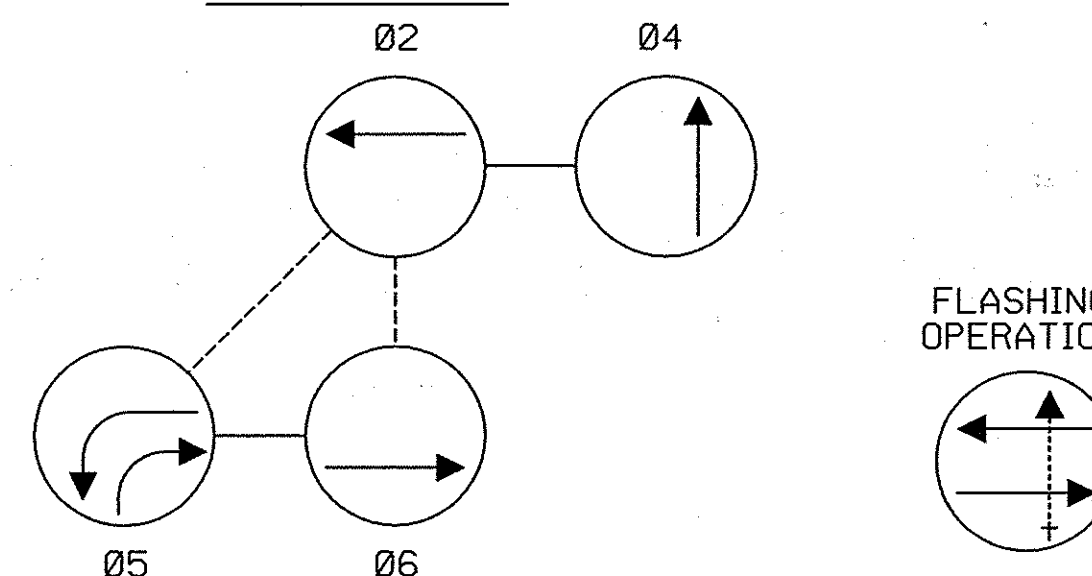
10, 11
NEW
D95-25
30" x 30"
(TOP PANEL
FL/ORANGE
SIGN BLACK ON WHITE)
W3-3
36" x 36"
(BLACK ON
FL/YELLOW BACKGROUND)

PROPOSED SIGNALS

1, 2, 5, 6 4 3 7
R Y G R Y G R Y G R Y G
12" 12" 8" / 12" 12"

a, b
PROPOSED VIDEO
DETECTION

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTE:

EXISTING LINES THAT ARE IN POTENTIAL
CONFLICT WILL BE RELOCATED AS
NECESSARY DURING CONSTRUCTION

AERIAL CABLE DETAIL

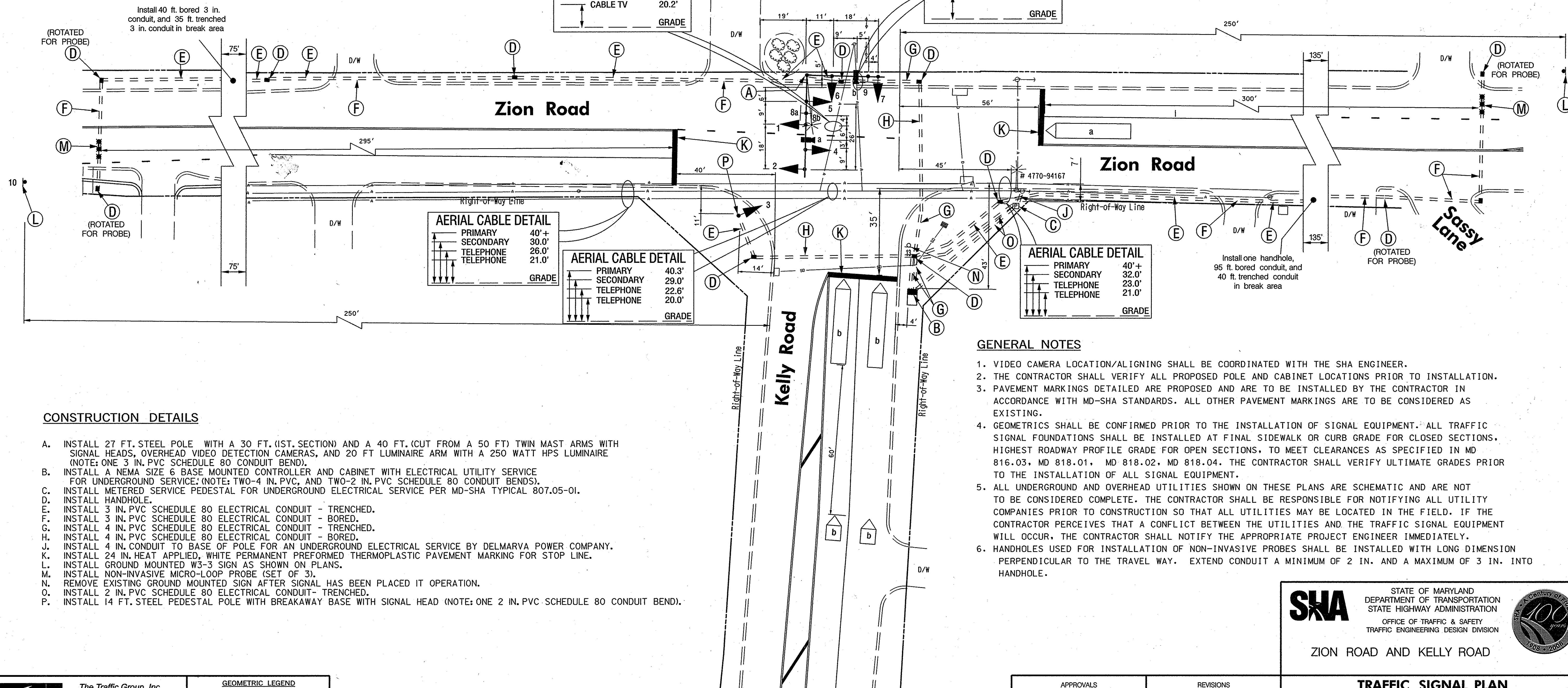
CABLE TV 20.2'
GRADE

NOTE:

EXISTING LINES THAT ARE IN POTENTIAL
CONFLICT WILL BE RELOCATED AS
NECESSARY DURING CONSTRUCTION

AERIAL CABLE DETAIL

SECONDARY 23.2'
GRADE



CONSTRUCTION DETAILS

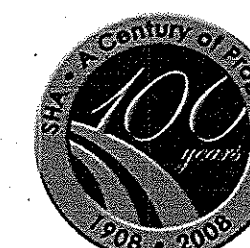
- INSTALL 27 FT. STEEL POLE WITH A 30 FT. (1ST SECTION) AND A 40 FT. (CUT FROM A 50 FT) TWIN MAST ARMS WITH SIGNAL HEADS, OVERHEAD VIDEO DETECTION CAMERAS, AND 20 FT LUMINAIRE ARM WITH A 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE FOR UNDERGROUND SERVICE (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
- INSTALL HANDHOLE.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- INSTALL 4 IN. CONDUIT TO BASE OF POLE FOR AN UNDERGROUND ELECTRICAL SERVICE BY DELMARVA POWER COMPANY.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL GROUND MOUNTED W3-3 SIGN AS SHOWN ON PLANS.
- INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
- REMOVE EXISTING GROUND MOUNTED SIGN AFTER SIGNAL HAS BEEN PLACED IN OPERATION.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH SIGNAL HEAD (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).

GENERAL NOTES

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- HANDHOLES USED FOR INSTALLATION OF NON-INVASIVE PROBES SHALL BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO THE TRAVEL WAY. EXTEND CONDUIT A MINIMUM OF 2 IN. AND A MAXIMUM OF 3 IN. INTO HANDHOLE.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



ZION ROAD AND KELLY ROAD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE June 9, 2008 CONTRACT NO. BW926M92

DESIGNED BY Frank Hoeckel COUNTY Wicomico
DRAWN BY Frank Hoeckel LOGMILE 22040603.41
CHECKED BY M. F. H. TIMS NO. J030
F.A.P. NO. N/A TOD NO.

TS NO. 4652 DRAWING - OF SHEET NO. 1 OF 2

PLOTTED: Monday, June 09, 2008 AT 09:19 AM
FILE: F:\2008\2008-0115\DES\TSD\TS-Zion-Kelly.dgn

SHA No. BW430M84



The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601
"Merging Innovation and Excellence"®

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL.
SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID
WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

APPROVALS	REVISIONS
<i>[Signature]</i> 6/13/08 NEAR DESIGN	
<i>[Signature]</i> 6-13-08 ASSIST. DESIGN	
<i>[Signature]</i> 6-13-08 DIVISION CHIEF	
<i>[Signature]</i> 6-13-08 OFFICE DIRECTOR	